

Leveraging Oracle Technology within the Unisys 3D Blueprinting Approach

Oracle BPEL Process Manager

Overview

- > Systems Integration.
- > Outsourcing.
- > Infrastructure.
- > Server Technology.
- > Consulting.

UNISYS

Imagine it • Done •

Dedicated Unisys Global Oracle Team

> Strong Staff Qualifications

- Former Oracle Senior Management
- Former Oracle Delivery Consultants

> Relationship with Oracle Senior Leadership

> 2,500 Oracle Consultants Worldwide



Unisys/Oracle Global Alliance

- > Unisys has maintained a Global Alliance relationship with Oracle since 1984
- > Certified Advantage Partner Status
 - Highest level of achievement in competency
 - Access to latest developments

ORACLE CERTIFIED ADVANTAGE
PARTNER

Web Services

A set of interoperability standards that simplify the integration of heterogeneous systems throughout the extended enterprise.

- WSDL
- XML and XML Schema
- SOAP
- JMS
- JCA

The industry has widely accepted Service Oriented Architectures and they are also a core component of the Unisys 3D VE Framework

So What's Missing?

- **The true value of Web Services is achieved only by linking them into end-to-end Business Processes**
 - Today this is largely achieved by:
 - J2EE or .Net custom development
 - Proprietary tools
- **Standards-Based End-to-End Process Orchestration**
 - Build
 - Debug
 - Deploy
 - Execute
 - Audit



Enter BPEL

- > **Business Process Execution Language is an industry standard for business process execution and orchestration**
- > **Developed by the OASIS standards body**
- > **Quickly adopted by leading technology vendors:**
 - Unisys
 - Oracle
 - Microsoft
 - IBM
 - SAP
 - Siebel

BPEL

> A standard language for defining how to:

- Send and Receive XML Messages Synchronously or Asynchronously to/from Remote Services
- Manipulate XML Data and Structures
- Manage Events and Exceptions
- Define Parallel Sequences of Execution

Based on Existing Technologies

- **Your Existing J2EE or .Net Developers Already Understand the Basics of BPEL Since it is Based on Existing Standards:**
 - XML Schema
 - Soap
 - WSDL
- **You Can Now Leverage Your Existing Development Staff to Begin to Define, Debug, Deploy, Execute and Audit End-to-End BPEL-Compliant Business Processes**

Oracle BPEL Process Manager

- > Implementing BPEL is now easier than ever with the industry's first native BPEL Engine, the Oracle BPEL Process Manager
- > The Oracle BPEL Process Manager offers a comprehensive and easy-to-use infrastructure for creating, deploying and managing BPEL business processes
- > Drag-and-drop development environment allows for easy construction of complex business processes and automates generation of BPEL code
- > The Oracle BPEL PM Server is deployed as an OC4J instance on the 10g Application Server and uses the Oracle 10g Database as a persistent store

Integration with Unisys 3D Blueprinting

- > How do you know if the BPEL process you've designed and tested is actually optimized for your business?
- > Are there too many cross-organizational hand-offs?
- > Are there too many manual approval processes?
- > Does the process need to change to fit the organization?
- > Does the organization need to change to fit the process?
- > Maybe both need to be adjusted?
- > How do you get these answers prior to process deployment?

Unisys 3D Blueprinting and ProVision

- > 3D Blueprinting utilizes the ProVision Modeling Suite from Metastorm**
- > ProVision supports modeling of:**
 - Organizations
 - Business Interactions
 - Processes
 - Workflows
- > BPEL processes created by the Oracle BPEL Process Manager can be directly imported into ProVision where they can be analyzed to determine their actual impact on the business**
- > Complex what-if scenarios can be played out to determine the impacts of changes to both the organization and the process**

3D Blueprinting and BPEL PM

- > The marriage of the Unisys 3D Blueprinting and the Oracle BPEL Process Manager provides enterprises with the capability of quickly creating complex business processes with the confidence they are optimized prior to deployment**
- > The optimized process can then be deployed and managed by the Oracle BPEL Process Manager**

For More Information

> Unisys 3D Blueprinting Approach:

- http://www.unisys.com/services/enterprise_transformation/index.htm

> Oracle BPEL Process Manager:

- <http://otn.oracle.com/bpel>

> Proforma ProVision Modeling Suite

- <http://www.metastorm.com/products/mpea.asp>

Unisys Contact Information

- > **Kevin Sheehan – Director, Infrastructure Architecture & Engineering**
 - kevin.sheehan@unisys.com

Thank You